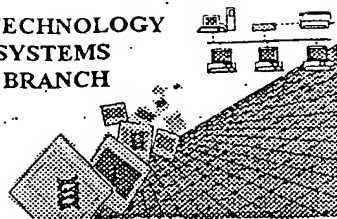




BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/088,639
Source: PT/10
Date Processed by STIC: 8/6/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER
VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name,
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,
2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office,
Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002



PCT10

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/088,639

DATE: 08/06/2002
TIME: 14:10:46

Input Set : A:\033003-SEQ.S125.txt

Output Set: N:\CRF3\08062002\J088639.raw

4 <110> APPLICANT: Brodin, Thomas
5 Karlstrom, Pia J.
6 Ohlsson, Lennart G.
7 Tordsson, Jesper M.
8 Kearney, Philip P.
9 Nilson, Bo H.K.
11 <120> TITLE OF INVENTION: Novel Compounds
13 <130> FILE REFERENCE: 003300-920
15 <140> CURRENT APPLICATION NUMBER: US 10/088,639
16 <141> CURRENT FILING DATE: 2002-03-20
18 <150> PRIOR APPLICATION NUMBER: SE 9903895-2
19 <151> PRIOR FILING DATE: 1999-10-28
21 <160> NUMBER OF SEQ ID NOS: 51
23 <170> SOFTWARE: PatentIn Ver. 2.1

Does Not Comply
Corrected Diskette Needed

pp 1-3, 6, 11-14

ERRORED SEQUENCES

25 <210> SEQ ID NO: 1
26 <211> LENGTH: 747
27 <212> TYPE: DNA
28 <213> ORGANISM: Macaca fascicularis
30 <221> NAME/KEY: CDS
31 <222> LOCATION: (1)..(747)
33 <223> OTHER INFORMATION: Coding sequence VL (1-109) - modified Huston
34 linker (110-127) - VH (128-249)
36 <400> SEQUENCE: 1
37 tct tct gag ctg act cag ggc cct gca ttg tct gtg gcc ttg gga cat 48
38 Ser Ser Glu Leu Thr Gln Gly Pro Ala Leu Ser Val Ala Leu Gly His
39 1 5 10 15
41 aca gtc agg atg acc tgc caa gga gac agc ctc aaa acc tat tat gca 96
42 Thr Val Arg Met Thr Cys Gln Gly Asp Ser Leu Lys Thr Tyr Tyr Ala
43 20 25 30
45 agc tgg tac cag cag aag cca ggc cag gtc cct gtg ctg gtc atc tat 144
46 Ser Trp Tyr Gln Gln Lys Pro Gly Gln Val Pro Val Leu Val Ile Tyr
47 35 40 45
49 ggt aac aac tac cgg ccc tca ggg atc cca ggc cga ttc tct ggc tcc 192
50 Gly Asn Asn Tyr Arg Pro Ser Gly Ile Pro Gly Arg Phe Ser Gly Ser
51 50 55 60
53 tgg tca gga aac aca gct tcc ttg acc atc act gcg gct cag gtg gaa 240
54 Trp Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Ala Ala Gln Val Glu
55 65 70 75 80
57 gat gag gct gac tat tgt aac tcc tgg gac agc agc ggt acc cat 288

(GLOBAL error)

> <220> insert this mandatory

numeric
identifier
whenever

<221>, <222>,
or <223>
is shown

RAW SEQUENCE LISTING

DATE: 08/06/2002

PATENT APPLICATION: US/10/088,639

TIME: 14:10:46

Input Set : A:\003300-920.ST25.txt

Output Set: N:\CRF3\08062002\J088639.raw

```

58 Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Trp Asp Ser Ser Gly Thr His
59      85      90      95
61 ccg gta ttc ggc gga ggg acc cgg gtg acc gtc cta ggt caa gcc aac 336
62 Pro Val Phe Gly Gly Gly Thr Arg Val Thr Val Leu Gly Gln Ala Asn
63      100      105      110
65 ggt gaa ggc ggc tct ggt ggc gga gga tcc gga ggc ggc ggt tct gag 384
66 Gly Glu Gly Gly Ser Gly Gly Gly Ser Gly Gly Gly Ser Glu
67      115      120      125
68 gtg cag ttg gtg gag tct ggg gga ggc ttg gta aag cct ggg ggg tcc 432
69 Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Gly Ser
70      130      135      140
72 ctg aga ctc tct tgt gta gcc tct ggg tcc atc ttc agt agc tct gtt 480
73 Leu Arg Leu Ser Cys Val Ala Ser Gly Ser Ile Phe Ser Ser Ser Val
74      145      150      155      160
76 atg cac tgg gtc cgc cag gct cca gga aag ggt ctg gag tgg gtc tca 528
77 Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ser
78      165      170      175
80 gtt att agt gaa aat ggg cgt acc att aac tac gca gac tct gtg aag 576
81 Val Ile Ser Glu Asn Gly Arg Thr Ile Asn Tyr Ala Asp Ser Val Lys
82      180      185      190
84 ggc cga ttc acc atc tcc aga gac aac gcc aag aac tca ctg ttt ctg 624
85 Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Phe Leu
86      195      200      205
88 cag atg aac agc ctg aca ggc gag gac acg gcc gtc tat tac tgt agt 672
89 Gln Met Asn Ser Leu Thr Gly Glu Asp Thr Ala Val Tyr Tyr Cys Ser
90      210      215      220
92 aga gag ggg gga cct gga aca acg tcc aac cgg ctc gat gcc tgg ggc 720
93 Arg Glu Gly Gly Pro Gly Thr Thr Ser Asn Arg Leu Asp Ala Trp Gly
94      225      230      235      240
96 ccg gga gtc ctg gtc acc gtt tcc tca 747
97 Pro Gly Val Leu Val Thr Val Ser Ser
98      245
101 <210> SEQ ID NO: 2
102 <211> LENGTH: 249
103 <212> TYPE: PRT
104 <213> ORGANISM: Macaca fascicularis
105 <223> OTHER INFORMATION: Coding sequence VL (1-109) - modified Huston
106 linker (110-127) - VH (128-249)
E--> 108 <400> SEQUENCE: 2
109 Ser Ser Glu Leu Thr Gln Gly Pro Ala Leu Ser Val Ala Leu Gly His
110      1      5      10      15
112 Thr Val Arg Met Thr Cys Gln Gly Asp Ser Leu Lys Thr Tyr Tyr Ala
113      20      25      30
115 Ser Trp Tyr Gln Gln Lys Pro Gly Gln Val Pro Val Leu Val Ile Tyr
116      35      40      45
118 Gly Asn Asn Tyr Arg Pro Ser Gly Ile Pro Gly Arg Phe Ser Gly Ser
119      50      55      60
121 Trp Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Ala Ala Gln Val Glu
122      65      70      75      80

```

same

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/088,639

DATE: 08/06/2002
TIME: 14:10:46

Input Set : A:\003300-920.ST25.txt
Output Set: N:\CRF3\08062002\J088639.raw

124 Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Trp Asp Ser Ser Gly Thr His
125 85 90 95
127 Pro Val Phe Gly Gly Gly Thr Arg Val Thr Val Leu Gly Gln Ala Asn
128 100 105 110
129 Gly Glu Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser Glu
130 115 120 125
131 Val Gln Leu Val Glu Ser Glu Gly Gly Leu Val Lys Pro Val Gly Ser
133 130 135 140
135 Leu Arg Leu Ser Cys Val Ala Ser Gly Ser Ile Phe Ser Ser Ser Val
136 145 150 155 160
138 Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ser
139 165 170 175
141 Val Ile Ser Glu Asn Gly Arg Thr Ile Asn Tyr Ala Asp Ser Val Lys
142 180 185 190
144 Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Phe Leu
145 195 200 205
147 Gln Met Asn Ser Leu Thr Gly Glu Asp Thr Ala Val Tyr Tyr Cys Ser
148 210 215 220
150 Arg Glu Gly Gly Pro Gly Thr Thr Ser Asn Arg Leu Asp Ala Trp Gly
151 225 230 235 240
153 Pro Gly Val Leu Val Thr Val Ser Ser
154 245
158 <210> SEQ. ID NO: 3
159 <211> LENGTH: 1073
160 <212> TYPE: PRT
161 <213> ORGANISM: Human
163 <223> OTHER INFORMATION: TA6-Human integrin alpha-6A
E--> 165 <400> SEQUENCE: 3
166 Met Ala Ala Ala Gly Gln Leu Cys Leu Leu Tyr Leu Ser Ala Gly Leu
167 1 5 10 15
169 Leu Ser Arg Leu Gly Ala Ala Phe Asn Leu Asp Thr Arg Glu Asp Asn
170 20 25 30
172 Val Ile Arg Lys Tyr Gly Asp Pro Gly Ser Leu Phe Gly Phe Ser Leu
173 35 40 45
175 Ala Met His Trp Gln Leu Gln Pro Glu Asp Lys Arg Leu Leu Val
176 50 55 60
178 Gly Ala Pro Arg Gly Glu Ala Leu Pro Leu Gln Arg Ala Asn Arg Thr
179 65 70 75 80
181 Gly Gly Leu Tyr Ser Cys Asp Ile Thr Ala Arg Gly Pro Cys Thr Arg
182 85 90 95
184 Ile Glu Phe Asp Asn Asp Ala Asp Pro Thr Ser Glu Ser Lys Glu Asp
185 100 105 110
187 Gln Trp Met Gly Val Thr Val Gln Ser Gln Gly Pro Gly Lys Val
188 115 120 125
189 Val Thr Cys Ala His Arg Tyr Glu Lys Arg Gln His Val Asn Thr Lys
190 130 135 140
192 Gln Glu Ser Arg Asp Ile Phe Gly Arg Cys Tyr Val Leu Ser Gln Asn
193 145 150 155 160
195 Leu Arg Ile Glu Asp Asp Met Asp Gly Gly Asp Trp Ser Phe Cys Asp

RAW SEQUENCE LISTING

DATE: 08/06/2002

PATENT APPLICATION: US/10/088,639

TIME: 14:10:46

Input Set : A:\003300-920.ST25.txt

Output Set: N:\CRF3\08062002\J088639.raw

196	165	170	175
198 Gly Arg Leu Arg Gly His Glu Lys Phe Gly Ser Cys Gln Gln Gly Val			
199	180	185	190
201 Ala Ala Thr Phe Thr Lys Asp Phe His Tyr Ile Val Phe Gly Ala Pro			
202	195	200	205
204 Gly Thr Thr Asn Trp Lys Gly Ile Val Arg Val Glu Gln Lys Asn Asn			
207 Thr Phe Phe Asp Met Asn Ile Phe Glu Asp Gly Pro Tyr Glu Val Gly			
208 225	230	235	240
210 Gly Glu Thr Glu His Asp Glu Ser Leu Val Pro Val Pro Ala Asn Ser			
211	245	250	255
213 Tyr Leu Gly Phe Ser Leu Asp Ser Gly Lys Gly Ile Val Ser Lys Asp			
214	260	265	270
216 Glu Ile Thr Phe Val Ser Gly Ala Pro Arg Ala Asn His Ser Gly Ala			
217	275	280	285
219 Val Val Leu Leu Lys Arg Asp Met Lys Ser Ala His Leu Leu Pro Glu			
220	290	295	300
222 His Ile Phe Asp Gly Glu Gly Leu Ala Ser Ser Phe Gly Tyr Asp Val			
223 305	310	315	320
225 Ala Val Val Asp Leu Asn Lys Asp Gly Trp Gln Asp Ile Val Ile Gly			
226	325	330	335
228 Ala Pro Gln Tyr Phe Asp Arg Asp Gly Glu Val Gly Gly Ala Val Tyr			
229	340	345	350
231 Val Tyr Met Asn Gln Gln Gly Arg Trp Asn Asn Val Lys Pro Ile Arg			
232	355	360	365
234 Leu Asn Gly Thr Lys Asp Ser Met Phe Gly Ile Ala Val Lys Asn Ile			
235	370	375	380
237 Gly Asp Ile Asn Gln Asp Gly Tyr Pro Asp Ile Ala Val Gly Ala Pro			
238 385	390	395	400
240 Tyr Asp Asp Leu Gly Lys Val Phe Ile Tyr His Gly Ser Ala Asn Gly			
241	405	410	415
243 Ile Asn Thr Lys Pro Thr Gln Val Leu Lys Gly Ile Ser Pro Tyr Phe			
244	420	425	430
246 Gly Tyr Ser Ile Ala Gly Asn Met Asp Leu Asp Arg Asn Ser Tyr Pro			
247	435	440	445
248 Asp Val Ala Val Gly Ser Leu Ser Asp Ser Val Thr Ile Phe Arg Ser			
249	450	455	460
251 Arg Pro Val Ile Asn Ile Gln Lys Thr Ile Thr Val Thr Pro Asn Arg			
252 465	470	475	480
254 Ile Asp Leu Arg Gln Lys Thr Ala Cys Gly Ala Pro Ser Gly Ile Cys			
255	485	490	495
257 Leu Gln Val Lys Ser Cys Phe Glu Tyr Thr Ala Asn Pro Ala Gly Tyr			
258	500	505	510
260 Asn Pro Ser Ile Ser Ile Val Gly Thr Leu Glu Ala Glu Lys Glu Arg			
261	515	520	525
263 Arg Lys Ser Gly Leu Ser Ser Arg Val Gln Phe Arg Asn Gln Gly Ser			
264	530	535	540
266 Glu Pro Lys Tyr Thr Gln Glu Leu Thr Leu Lys Arg Gln Lys Gln Lys			
267 545	550	555	560

RAW SEQUENCE LISTING

DATE: 08/06/2002

PATENT APPLICATION: US/10/088,639

TIME: 14:10:46

Input Set : A:\003300-920.ST25.txt

Output Set: N:\CRF3\08062002\J088639.raw

```

269 Val Cys Met Glu Glu Thr Leu Trp Leu Gln Asp Asn Ile Arg Asp Lys
270                               565                               570                               575
272 Leu Arg Pro Ile Pro Ile Thr Ala Ser Val Glu Ile Gln Glu Pro Ser
273                               580                               585                               590
275 Ser Arg Arg Arg Val Asn Ser Leu Pro Glu Val Leu Pro Ile Leu Asn
276                               595                               600                               605
278 Ser Asp Glu Pro Lys Thr Ala His Ile Asp Val His Phe Leu Lys Glu
279 610                               615                               620
281 Gly Cys Gly Asp Asp Asn Val Cys Asn Ser Asn Leu Lys Leu Glu Tyr
282 625                               630                               635                               640
284 Lys Phe Cys Thr Arg Glu Gly Asn Gln Asp Lys Phe Ser Tyr Leu Pro
285                               645                               650                               655
287 Ile Gln Lys Gly Val Pro Glu Leu Val Leu Lys Asp Gln Lys Asp Ile
288                               660                               665                               670
290 Ala Leu Glu Ile Thr Val Thr Asn Ser Pro Ser Asn Pro Arg Asn Pro
291                               675                               680                               685
293 Thr Lys Asp Gly Asp Asp Ala His Glu Ala Lys Leu Ile Ala Thr Phe
294 690                               695                               700
296 Pro Asp Thr Leu Thr Tyr Ser Ala Tyr Arg Glu Leu Arg Ala Phe Pro
297 705                               710                               715                               720
299 Glu Lys Gln Leu Ser Cys Val Ala Asn Gln Asn Gly Ser Gln Ala Asp
300                               725                               730                               735
302 Cys Glu Leu Gly Asn Pro Phe Lys Arg Asn Ser Asn Val Thr Phe Tyr
303                               740                               745                               750
305 Leu Val Leu Ser Thr Thr Glu Val Thr Phe Asp Thr Pro Asp Leu Asp
306                               755                               760                               765
307 Ile Asn Leu Lys Leu Glu Thr Thr Ser Asn Gln Asp Asn Leu Ala Pro
308 770                               775                               780
310 Ile Thr Ala Lys Ala Lys Val Val Ile Glu Leu Leu Leu Ser Val Ser
311 785                               790                               795                               800
313 Gly Val Ala Lys Pro Ser Gln Val Tyr Phe Gly Gly Thr Val Val Gly
314                               805                               810                               815
316 Glu Gln Ala Met Lys Ser Glu Asp Glu Val Gly Ser Leu Ile Glu Tyr
317                               820                               825                               830
319 Glu Phe Arg Val Ile Asn Leu Gly Lys Pro Leu Thr Asn Leu Gly Thr
320                               835                               840                               845
322 Ala Thr Leu Asn Ile Gln Trp Pro Lys Glu Ile Ser Asn Gly Lys Trp
323 850                               855                               860
325 Leu Leu Tyr Leu Val Lys Val Glu Ser Lys Gly Leu Glu Lys Val Thr
326 865                               870                               875                               880
328 Cys Glu Pro Gln Lys Glu Ile Asn Ser Leu Asn Leu Thr Glu Ser His
329                               885                               890                               895
331 Asn Ser Arg Lys Lys Arg Glu Ile Thr Glu Lys Gln Ile Asp Asp Asn
332                               900                               905                               910
334 Arg Lys Phe Ser Leu Phe Ala Glu Arg Lys Tyr Gln Thr Leu Asn Cys
335                               915                               920                               925
337 Ser Val Asn Val Asn Cys Val Asn Ile Arg Cys Pro Leu Arg Gly Leu
338 930                               935                               940
340 Asp Ser Lys Ala Ser Leu Ile Leu Arg Ser Arg Leu Trp Asn Ser Thr

```

RAW SEQUENCE LISTING

DATE: 08/06/2002

PATENT APPLICATION: US/10/088,639

TIME: 14:10:46

Input Set : A:\003300-920.ST25.txt

Output Set: N:\CRF3\08062002\J088639.raw

```

341 945          950          955          960
343 Phe Leu Glu Glu Tyr Ser Lys Leu Asn Tyr Leu Asp Ile Leu Met Arg
344          965          970          975
346 Ala Phe Ile Asp Val Thr Ala Ala Ala Glu Asn Ile Arg Leu Pro Asn
347          980          985          990
349 Ala Gly Thr Gln Val Arg Val Thr Val Phe Pro Ser Lys Thr Val Ala
350          995          1000          1005
352 Gln Tyr Ser Gly Val Pro Trp Trp Ile Ile Leu Val Ala Ile Leu Ala
353 1010          1015          1020
355 Gly Ile Leu Met Leu Ala Leu Leu Val Phe Ile Leu Trp Lys Cys Gly
356 1025          1030          1035          1040
358 Phe Phe Lys Arg Asn Lys Lys Asp His Tyr Asp Ala Thr Tyr His Lys
359          1045          1050          1055
361 Ala Glu Ile His Ala Gln Pro Ser Asp Lys Glu Arg Leu Thr Ser Asp
362          1060          1065          1070
364 Ala
366 <210> SEQ ID NO: 4
367 <211> LENGTH: 1875
368 <212> TYPE: PRT
369 <213> ORGANISM: Human
371 <223> OTHER INFORMATION: Integrin beta-4 precursor
E--> 373 <400> SEQUENCE: 4
374 Met Ala Gly Pro Arg Pro Ser Pro Trp Ala Arg Leu Leu Leu Ala Ala
375 1 5 10 15
377 Leu Ile Ser Val Ser Leu Ser Gly Thr Leu Ala Asn Arg Cys Lys Lys
378 20 25 30
380 Ala Pro Val Lys Ser Cys Thr Glu Cys Val Arg Val Asp Lys Asp Cys
381 35 40 45
383 Ala Tyr Cys Thr Asp Glu Met Phe Arg Asp Arg Arg Cys Asn Thr Gln
384 50 55 60
386 Ala Glu Leu Leu Ala Ala Gly Cys Gln Arg Glu Ser Ile Val Val Met
387 65 70 75 80
389 Glu Ser Ser Phe Gln Ile Thr Glu Glu Thr Gln Ile Asp Thr Thr Leu
390 85 90 95
392 Arg Arg Ser Gln Met Ser Pro Gln Gly Leu Arg Val Arg Leu Arg Pro
393 100 105 110
395 Gly Glu Glu Arg His Phe Glu Leu Glu Val Phe Glu Pro Leu Glu Ser
396 115 120 125
398 Pro Val Asp Leu Tyr Ile Leu Met Asp Phe Ser Asn Ser Met Ser Asp
399 130 135 140
401 Asp Leu Asp Asp Leu Lys Lys Met Gly Gln Asn Leu Ala Arg Val Leu
402 145 150 155 160
404 Ser Gln Leu Thr Ser Asp Tyr Thr Ile Gly Phe Gly Lys Phe Val Asp
405 165 170 175
407 Lys Val Ser Val Pro Gln Thr Asp Met Arg Pro Glu Lys Leu Lys Glu
408 180 185 190
410 Pro Trp Pro Asn Ser Asp Pro Pro Phe Ser Phe Lys Asn Val Ile Ser
411 195 200 205
413 Leu Thr Glu Asp Val Asp Glu Phe Arg Asn Lys Leu Gln Gly Glu Arg

```

RAW SEQUENCE LISTING

DATE: 08/06/2002

PATENT APPLICATION: US/10/088,639

TIME: 14:10:46

Input Set : A:\003300-920.ST25.txt

Output Set: N:\CRF3\08062002\J088639.raw

```

414      210      215      220
416 Ile Ser Gly Asn Leu Asp Ala Pro Glu Gly Gly Phe Asp Ala Ile Leu
417 225      230      235      240
419 Gln Thr Ala Val Cys Thr Arg Asp Ile Gly Trp Arg Pro Asp Ser Thr
420      245      250      255
422 His Leu Leu Val Phe Ser Thr Glu Ser Ala Phe His Tyr Glu Ala Asp
423      260      265      270
425 Gly Ala Asn Val Leu Ala Gly Ile Met Ser Arg Asn Asp Glu Arg Cys
426      275      280      285
427 His Leu Asp Thr Thr Gly Thr Tyr Thr Gln Tyr Arg Thr Gln Asp Tyr
428      290      295      300
430 Pro Ser Val Pro Thr Leu Val Arg Leu Leu Ala Lys His Asn Ile Ile
431 305      310      315      320
433 Pro Ile Phe Ala Val Thr Asn Tyr Ser Tyr Ser Tyr Tyr Glu Lys Leu
434      325      330      335
436 His Thr Tyr Phe Pro Val Ser Ser Leu Gly Val Leu Gln Glu Asp Ser
437      340      345      350
439 Ser Asn Ile Val Glu Leu Leu Glu Glu Ala Phe Asn Arg Ile Arg Ser
440      355      360      365
442 Asn Leu Asp Ile Arg Ala Leu Asp Ser Pro Arg Gly Leu Arg Thr Glu
443      370      375      380
445 Val Thr Ser Lys Met Phe Gln Lys Thr Arg Thr Gly Ser Phe His Ile
446 385      390      395      400
448 Arg Arg Gly Glu Val Gly Ile Tyr Gln Val Gln Leu Arg Ala Leu Glu
449      405      410      415
451 His Val Asp Gly Thr His Val Cys Gln Leu Pro Glu Asp Gln Lys Gly
452      420      425      430
454 Asn Ile His Leu Lys Pro Ser Phe Ser Asp Gly Leu Lys Met Asp Ala
455      435      440      445
457 Gly Ile Ile Cys Asp Val Cys Thr Cys Glu Leu Gln Lys Glu Val Arg
458      450      455      460
460 Ser Ala Arg Cys Ser Phe Asn Gly Asp Phe Val Cys Gly Gln Cys Val
461 465      470      475      480
463 Cys Ser Glu Gly Trp Ser Gly Gln Thr Cys Asn Cys Ser Thr Gly Ser
464      485      490      495
466 Leu Ser Asp Ile Gln Pro Cys Leu Arg Glu Gly Glu Asp Lys Pro Cys
467      500      505      510
469 Ser Gly Arg Gly Glu Cys Gln Cys Gly His Cys Val Cys Tyr Gly Glu
470      515      520      525
472 Gly Arg Tyr Glu Gly Gln Phe Cys Glu Tyr Asp Asn Phe Gln Cys Pro
473      530      535      540
475 Arg Thr Ser Gly Phe Leu Cys Asn Asp Arg Gly Arg Cys Ser Met Gly
476 545      550      555      560
478 Gln Cys Val Cys Glu Pro Gly Trp Thr Gly Pro Ser Cys Asp Cys Pro
479      565      570      575
481 Leu Ser Asn Ala Thr Cys Ile Asp Ser Asn Gly Gly Ile Cys Asn Gly
482      580      585      590
484 Arg Gly His Cys Glu Cys Gly Arg Cys His Cys His Gln Gln Ser Leu
485      595      600      605

```


RAW SEQUENCE LISTING

DATE: 08/06/2002

PATENT APPLICATION: US/10/088,639

TIME: 14:10:46

Input Set : A:\003300-920.ST25.txt

Output Set: N:\CRF3\08062002\J088639.raw

```

486 Tyr Thr Asp Thr Ile Cys Glu Ile Asn Tyr Ser Ala Ile His Pro Gly
487      610      615      620
489 Leu Cys Glu Asp Leu Arg Ser Cys Val Gln Cys Gln Ala Trp Gly Thr
490 625      630      635      640
492 Gly Glu Lys Lys Gly Arg Thr Cys Glu Glu Cys Asn Phe Lys Val Lys
493      645      650      655
495 Met Val Asp Glu Leu Lys Arg Ala Glu Glu Val Val Val Arg Cys Ser
496      660      665      670
498 Phe Arg Asp Glu Asp Asp Asp Cys Thr Tyr Ser Tyr Thr Met Glu Gly
499      675      680      685
501 Asp Gly Ala Pro Gly Pro Asn Ser Thr Val Leu Val His Lys Lys Lys
502      690      695      700
504 Asp Cys Pro Pro Gly Ser Phe Trp Trp Leu Ile Pro Leu Leu Leu Leu
505 705      710      715      720
507 Leu Leu Pro Leu Leu Ala Leu Leu Leu Leu Cys Trp Lys Tyr Cys
508      725      730      735
510 Ala Cys Cys Lys Ala Cys Leu Ala Leu Leu Pro Cys Cys Asn Arg Gly
511      740      745      750
513 His Met Val Gly Phe Lys Glu Asp His Tyr Met Leu Arg Glu Asn Leu
514      755      760      765
516 Met Ala Ser Asp His Leu Asp Thr Pro Met Leu Arg Ser Gly Asn Leu
517      770      775      780
519 Lys Gly Arg Asp Val Val Arg Trp Lys Val Thr Asn Met Gln Arg
520 785      790      795      800
522 Pro Gly Phe Ala Thr His Ala Ala Ser Ile Asn Pro Thr Glu Leu Val
523      805      810      815
525 Pro Tyr Gly Leu Ser Leu Arg Leu Ala Arg Leu Cys Thr Glu Asn Leu
526      820      825      830
528 Leu Lys Pro Asp Thr Arg Glu Cys Ala Gln Leu Arg Gln Glu Val Glu
529      835      840      845
531 Glu Asn Leu Asn Glu Val Tyr Arg Gln Ile Ser Gly Val His Lys Leu
532      850      855      860
534 Gln Gln Thr Lys Phe Arg Gln Gln Pro Asn Ala Gly Lys Lys Gln Asp
535 865      870      875      880
537 His Thr Ile Val Asp Thr Val Leu Met Ala Pro Arg Ser Ala Lys Pro
538      885      890      895
540 Ala Leu Leu Lys Leu Thr Glu Lys Gln Val Glu Gln Arg Ala Phe His
541      900      905      910
543 Asp Leu Lys Val Ala Pro Gly Tyr Tyr Thr Leu Thr Ala Asp Gln Asp
544      915      920      925
545 Ala Arg Gly Met Val Glu Phe Gln Glu Gly Val Glu Leu Val Asp Val
546      930      935      940
548 Arg Val Pro Leu Phe Ile Arg Pro Glu Asp Asp Asp Glu Lys Gln Leu
549 945      950      955      960
551 Leu Val Glu Ala Ile Asp Val Pro Ala Gly Thr Ala Thr Leu Gly Arg
552      965      970      975
554 Arg Leu Val Asn Ile Thr Ile Ile Lys Glu Gln Ala Arg Asp Val Val
555      980      985      990
557 Ser Phe Glu Gln Pro Glu Phe Ser Val Ser Arg Gly Asp Gln Val Ala

```

RAW SEQUENCE LISTING

DATE: 08/06/2002

PATENT APPLICATION: US/10/088,639

TIME: 14:10:46

Input Set : A:\003300-920.ST25.txt

Output Set: N:\CRF3\08062002\J088639.raw

```

558      995      1000      1005
560 Arg Ile Pro Val Ile Arg Arg Val Leu Asp Gly Gly Lys Ser Gln Val
561      1010      1015      1020
563 Ser Tyr Arg Thr Gln Asp Gly Thr Ala Gln Gly Asn Arg Asp Tyr Ile
564 1025      1030      1035      1040
566 Pro Val Glu Gly Glu Leu Leu Phe Gln Pro Gly Glu Ala Trp Lys Glu
567      1045      1050      1055
569 Leu Gln Val Lys Leu Leu Glu Leu Gln Glu Val Asp Ser Leu Leu Arg
570      1060      1065      1070
572 Gly Arg Gln Val Arg Arg Phe His Val Gln Leu Ser Asn Pro Lys Phe
573      1075      1080      1085
575 Gly Ala His Leu Gly Gln Pro His Ser Thr Thr Ile Ile Ile Arg Asp
576      1090      1095      1100
578 Pro Asp Glu Leu Asp Arg Ser Phe Thr Ser Gln Met Leu Ser Ser Gln
579 1105      1110      1115      1120
581 Pro Pro Pro His Gly Asp Leu Gly Ala Pro Gln Asn Pro Asn Ala Lys
582      1125      1130      1135
584 Ala Ala Gly Ser Arg Lys Ile His Phe Asn Trp Leu Pro Pro Ser Gly
585 1140      1145      1150
587 Lys Pro Met Gly Tyr Arg Val Lys Tyr Trp Ile Gln Gly Asp Ser Glu
588      1155      1160      1165
590 Ser Glu Ala His Leu Leu Asp Ser Lys Val Pro Ser Val Glu Leu Thr
591      1170      1175      1180
593 Asn Leu Tyr Pro Tyr Cys Asp Tyr Glu Met Lys Val Cys Ala Tyr Gly
594 1185      1190      1195      1200
596 Ala Gln Gly Glu Gly Pro Tyr Ser Ser Leu Val Ser Cys Arg Thr His
597      1205      1210      1215
599 Gln Glu Val Pro Ser Glu Pro Gly Arg Leu Ala Phe Asn Val Val Ser
600      1220      1225      1230
602 Ser Thr Val Thr Gln Leu Ser Trp Ala Glu Pro Ala Glu Thr Asn Gly
603      1235      1240      1245
604 Glu Ile Thr Ala Tyr Glu Val Cys Tyr Gly Leu Val Asn Asp Asp Asn
605 1250      1255      1260
607 Arg Pro Ile Gly Pro Met Lys Lys Val Leu Val Asp Asn Pro Lys Asn
608 1265      1270      1275      1280
610 Arg Met Leu Leu Ile Glu Asn Leu Arg Glu Ser Gln Pro Tyr Arg Tyr
611      1285      1290      1295
613 Thr Val Lys Ala Arg Asn Gly Ala Gly Trp Gly Pro Glu Arg Glu Ala
614      1300      1305      1310
616 Ile Ile Asn Leu Ala Thr Gln Pro Lys Arg Pro Met Ser Ile Pro Ile
617 1315      1320      1325
619 Ile Pro Asp Ile Pro Ile Val Asp Ala Gln Ser Gly Glu Asp Tyr Asp
620      1330      1335      1340
622 Ser Phe Leu Met Tyr Ser Asp Asp Val Leu Arg Ser Pro Ser Gly Ser
623 1345      1350      1355      1360
625 Gln Arg Pro Ser Val Ser Asp Asp Thr Gly Cys Gly Trp Lys Phe Glu
626      1365      1370      1375
628 Pro Leu Leu Gly Glu Glu Leu Asp Leu Arg Arg Val Thr Trp Arg Leu
629      1380      1385      1390

```

RAW SEQUENCE LISTING

DATE: 08/06/2002

PATENT APPLICATION: US/10/088,639

TIME: 14:10:46

Input Set : A:\003300-920.ST25.txt

Output Set: N:\CRF3\08062002\J088639.raw

```

631 Pro Pro Glu Leu Ile Pro Arg Leu Ser Ala Ser Ser Gly Arg Ser Ser
632      1395      1400      1405
634 Asp Ala Glu Ala Pro Thr Ala Pro Arg Thr Thr Ala Ala Arg Ala Gly
635      1410      1415      1420
637 Arg Ala Ala Ala Val Pro Arg Ser Ala Thr Pro Gly Pro Pro Gly Glu
638 1425      1430      1435      1440
640 His Leu Val Asn Gly Arg Met Asp Phe Ala Phe Pro Gly Ser Thr Asn
641      1445      1450      1455
643 Ser Leu His Arg Met Thr Thr Thr Ser Ala Ala Ala Tyr Gly Thr His
644      1460      1465      1470
646 Leu Ser Pro His Val Pro His Arg Val Leu Ser Thr Ser Ser Thr Leu
647      1475      1480      1485
649 Thr Arg Asp Tyr Asn Ser Leu Thr Arg Ser Glu His Ser His Ser Thr
650      1490      1495      1500
652 Thr Leu Pro Arg Asp Tyr Ser Thr Leu Thr Ser Val Ser Ser His Gly
653 1505      1510      1515      1520
655 Leu Pro Pro Ile Trp Glu His Gly Arg Ser Arg Leu Pro Leu Ser Trp
656      1525      1530      1535
658 Ala Leu Gly Ser Arg Ser Arg Ala Gln Met Lys Gly Phe Pro Pro Ser
659      1540      1545      1550
661 Arg Gly Pro Arg Asp Ser Ile Ile Leu Ala Gly Arg Pro Ala Ala Pro
662      1555      1560      1565
663 Ser Trp Gly Pro Asp Ser Arg Leu Thr Ala Gly Val Pro Asp Thr Pro
664      1570      1575      1580
666 Thr Arg Leu Val Phe Ser Ala Leu Gly Pro Thr Ser Leu Arg Val Ser
667 1585      1590      1595      1600
669 Trp Gln Glu Pro Arg Cys Glu Arg Pro Leu Gln Gly Tyr Ser Val Glu
670      1605      1610      1615
672 Tyr Gln Leu Leu Asn Gly Gly Glu Leu His Arg Leu Asn Ile Pro Asn
673      1620      1625      1630
675 Pro Ala Gln Thr Ser Val Val Val Glu Asp Leu Leu Pro Asn His Ser
676      1635      1640      1645
678 Tyr Val Phe Arg Val Arg Ala Gln Ser Gln Glu Gly Trp Gly Arg Glu
679      1650      1655      1660
681 Arg Glu Gly Val Ile Thr Ile Glu Ser Gln Val His Pro Gln Ser Pro
682 1665      1670      1675      1680
684 Leu Cys Pro Leu Pro Gly Ser Ala Phe Thr Leu Ser Thr Pro Ser Ala
685      1685      1690      1695
687 Pro Gly Pro Leu Val Phe Thr Ala Leu Ser Pro Asp Ser Leu Gln Leu
688      1700      1705      1710
690 Ser Trp Glu Arg Pro Arg Arg Pro Asn Gly Asp Ile Val Gly Tyr Leu
691      1715      1720      1725
693 Val Thr Cys Glu Met Ala Gln Gly Gly Gly Pro Ala Thr Ala Phe Arg
694      1730      1735      1740
696 Val Asp Gly Asp Ser Pro Glu Ser Arg Leu Thr Val Pro Gly Leu Ser
697 1745      1750      1755      1760
699 Glu Asn Val Pro Tyr Lys Phe Lys Val Gln Ala Arg Thr Thr Glu Gly
700      1765      1770      1775
702 Phe Gly Pro Glu Arg Glu Gly Ile Ile Thr Ile Glu Ser Gln Asp Gly

```

RAW SEQUENCE LISTING

DATE: 08/06/2002

PATENT APPLICATION: US/10/088,639

TIME: 14:10:46

Input Set : A:\003300-920.ST25.txt

Output Set: N:\CRF3\08062002\J088639.raw

703 1780 1785 1790
705 Gly Pro Phe Pro Gln Leu Gly Ser Arg Ala Gly Leu Phe Gln His Pro
706 1795 1800 1805
708 Leu Gln Ser Glu Tyr Ser Ser Ile Thr Thr Thr His Thr Ser Ala Thr
709 1810 1815 1820
711 Glu Pro Phe Leu Val Asp Gly Pro Thr Leu Gly Ala Gln His Leu Glu
712 1825 1830 1835 1840
714 Ala Gly Gly Ser Leu Thr Arg His Val Thr Gln Glu Phe Val Ser Arg
715 1845 1850 1855
717 Thr Leu Thr Thr Ser Gly Thr Leu Ser Thr His Met Asp Gln Gln Phe
718 1860 1865 1870
720 Phe Gln Thr
721 1875
722 <210> SEQ ID NO: 5
723 <211> LENGTH: 8
724 <212> TYPE: PRT
725 <213> ORGANISM: Human
727 <223> OTHER INFORMATION: Amino acids 61-68 of SEQ ID NO: 3
E--> 729 <400> SEQUENCE: 5
730 Leu Leu Leu Val Gly Ala Pro Arg
731 1 5
734 <210> SEQ ID NO: 6
735 <211> LENGTH: 20
736 <212> TYPE: PRT
737 <213> ORGANISM: Human
739 <223> OTHER INFORMATION: Amino acids 77-96 of SEQ ID NO: 3
E--> 741 <400> SEQUENCE: 6
742 Ala Asn Arg Thr Gly Gly Leu Tyr Ser Cys Asp Ile Thr Ala Arg Gly
743 1 5 10 15
745 Pro Cys Thr Arg
746 20
749 <210> SEQ ID NO: 7
750 <211> LENGTH: 10
751 <212> TYPE: PRT
752 <213> ORGANISM: Human
754 <223> OTHER INFORMATION: Amino acids 127-137 of SEQ ID NO: 3
E--> 756 <400> SEQUENCE: 7
757 Val Val Thr Cys Ala His Arg Tyr Glu Lys
758 1 5 10
761 <210> SEQ ID NO: 8
762 <211> LENGTH: 7
763 <212> TYPE: PRT
764 <213> ORGANISM: Human
766 <223> OTHER INFORMATION: Amino acids 138-144 of SEQ ID NO: 3
E--> 768 <400> SEQUENCE: 8
769 Arg Gln His Val Asn Thr Lys
770 1 5
773 <210> SEQ ID NO: 9
774 <211> LENGTH: 9

RAW SEQUENCE LISTING

DATE: 08/06/2002

PATENT APPLICATION: US/10/088,639

TIME: 14:10:46

Input Set : A:\003300-920.ST25.txt

Output Set: N:\CRF3\08062002\J088639.raw

775 <212> TYPE: PRT
776 <213> ORGANISM: Human
778 <223> OTHER INFORMATION: Amino acids 154-162 of SEQ ID NO: 3
E--> 780 <400> SEQUENCE: 9
781 Cys Tyr Val Leu Ser Gln Asn Leu Arg
782 1 5
783 <210> SEQ ID NO: 10
784 <211> LENGTH: 14
785 <212> TYPE: PRT
786 <213> ORGANISM: Human
788 <223> OTHER INFORMATION: Amino acids 185-198 of SEQ ID NO: 3
E--> 790 <400> SEQUENCE: 10
791 Phe Gly Ser Cys Gln Gln Gly Val Ala Ala Thr Phe Thr Lys
792 1 5 10
795 <210> SEQ ID NO: 11
796 <211> LENGTH: 16
797 <212> TYPE: PRT
798 <213> ORGANISM: Human
800 <223> OTHER INFORMATION: Amino acids 198-214 of SEQ ID NO: 3
E--> 802 <400> SEQUENCE: 11
803 Asp Phe His Tyr Ile Val Phe Gly Ala Pro Gly Thr Tyr Asn Trp Lys
804 1 5 10 15
807 <210> SEQ ID NO: 12
808 <211> LENGTH: 11
809 <212> TYPE: PRT
810 <213> ORGANISM: Human
812 <223> OTHER INFORMATION: Amino acids 272-282 of SEQ ID NO: 3
E--> 814 <400> SEQUENCE: 12
815 Asp Glu Ile Thr Phe Val Ser Gly Ala Pro Arg
816 1 5 10
819 <210> SEQ ID NO: 13
820 <211> LENGTH: 11
821 <212> TYPE: PRT
822 <213> ORGANISM: Human
824 <223> OTHER INFORMATION: Amino acids 283-293 of SEQ ID NO: 3
E--> 826 <400> SEQUENCE: 13
827 Ala Asn His Ser Gly Ala Val Val Leu Leu Lys
828 1 5 10
831 <210> SEQ ID NO: 14
832 <211> LENGTH: 16
833 <212> TYPE: PRT
834 <213> ORGANISM: Human
836 <223> OTHER INFORMATION: Amino acids 328-343 of SEQ ID NO: 3
E--> 838 <400> SEQUENCE: 14
839 Asp Gly Trp Gln Asp Ile Val Ile Gly Ala Pro Gln Tyr Phe Asp Arg
840 1 5 10 15
841 <210> SEQ ID NO: 15
842 <211> LENGTH: 17
843 <212> TYPE: PRT

RAW SEQUENCE LISTING

DATE: 08/06/2002

PATENT APPLICATION: US/10/088,639

TIME: 14:10:46

Input Set : A:\003300-920.ST25.txt

Output Set: N:\CRF3\08062002\J088639.raw

844 <213> ORGANISM: Human *same*
846 <223> OTHER INFORMATION: Amino acids 344-360 of SEQ ID NO: 3
E--> 848 <400> SEQUENCE: 15
849 Asp Gly Glu Val Gly Gly Ala Val Tyr Val Tyr Met Asn Gln Gln Gly
850 1 5 10 15
852 Arg
856 <210> SEQ ID NO: 16
857 <211> LENGTH: 8
858 <212> TYPE: PRT
859 <213> ORGANISM: Human *same*
861 <223> OTHER INFORMATION: Amino acids 361-368 of SEQ ID NO: 3
E--> 863 <400> SEQUENCE: 16
864 Trp Asn Asn Val Lys Pro Ile Arg
865 1 5
868 <210> SEQ ID NO: 17
869 <211> LENGTH: 24
870 <212> TYPE: PRT
871 <213> ORGANISM: Human *same*
873 <223> OTHER INFORMATION: Amino acids 383-406 of SEQ ID NO: 3
E--> 875 <400> SEQUENCE: 17
876 Asn Ile Gly Asp Ile Asn Gln Asp Gly Tyr Pro Asp Ile Ala Val Gly
877 1 5 10 15
879 Ala Pro Tyr Asp Asp Leu Gly Lys
880 20
883 <210> SEQ ID NO: 18
884 <211> LENGTH: 18
885 <212> TYPE: PRT
886 <213> ORGANISM: Human *same*
888 <223> OTHER INFORMATION: Amino acids 427-444 of SEQ ID NO: 3
E--> 890 <400> SEQUENCE: 18
891 Gly Ile Ser Pro Tyr Phe Gly Tyr Ser Ile Ala Gly Asn Met Asp Leu
892 1 5 10 15
894 Asp Arg
896 <210> SEQ ID NO: 19
897 <211> LENGTH: 19
898 <212> TYPE: PRT
899 <213> ORGANISM: Human *same*
901 <223> OTHER INFORMATION: Amino acids 445-463 of SEQ ID NO: 3
E--> 903 <400> SEQUENCE: 19
904 Asn Ser Tyr Pro Asp Val Ala Val Gly Ser Leu Ser Asp Ser Val Thr
905 1 5 10 15
907 Ile Phe Arg
911 <210> SEQ ID NO: 20
912 <211> LENGTH: 9
913 <212> TYPE: PRT
914 <213> ORGANISM: Human *same*
916 <223> OTHER INFORMATION: Amino acids 464-472 of SEQ ID NO: 3
E--> 918 <400> SEQUENCE: 20
919 Ser Arg Pro Val Ile Asn Ile Gln Lys

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/088,639

DATE: 08/06/2002

TIME: 14:10:46

Input Set : A:\003300-920.ST25.txt

Output Set: N:\CRF3\08062002\J088639.raw

920 1 5
1137 <210> SEQ ID NO: 39
1138 <211> LENGTH: 18
1139 <212> TYPE: PRT
1140 <213> ORGANISM: Human
1142 <223> OTHER INFORMATION: Amino acids 414-431 of SEQ ID NO: 4
E--> 1144 <400> SEQUENCE: 39Ala Leu Glu His Val Asp Gly Thr His Val Cys Gln Leu Pro Glu
1145 Asp
E--> 1146 1 5 10 15
E--> 1148 Gln Lys

Insert a hard return

of errors shown exist throughout the listing. Please check subsequent sequences for similar errors.

VERIFICATION SUMMARY

DATE: 08/06/2002

PATENT APPLICATION: US/10/088,639

TIME: 14:10:47

Input Set : A:\003300-920.ST25.txt

Output Set: N:\CRF3\08062002\J088639.raw

L:36 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:1
L:108 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:2
L:165 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:3
L:373 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:4
L:729 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:5
L:741 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:6
L:756 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:7
L:768 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:8
L:780 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:9
L:790 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:10
L:802 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:11
L:814 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:12
L:826 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:13
L:838 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:14
L:848 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:15
L:863 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:16
L:875 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:17
L:890 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:18
L:903 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:19
L:918 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:20
L:930 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:21
L:945 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:22
L:958 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:23
L:970 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:24
L:982 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:25
L:994 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:26
L:1006 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:27
L:1016 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:28
L:1028 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:29
L:1040 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:30
L:1052 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:31
L:1064 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:32
L:1074 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:33
L:1086 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:34
L:1098 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:35
L:1110 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:36
L:1122 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:37
L:1132 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:38
L:1144 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:39
L:1146 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:39
L:1148 M:252 E: No. of Seq. differs, <211> LENGTH:Input:18 Found:3 SEQ:39
L:1159 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:40
L:1171 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:41
L:1183 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:42
L:1193 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:43
L:1205 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:44
L:1220 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:45
L:1232 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:46

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/088,639

DATE: 08/06/2002

TIME: 14:10:47

Input Set : A:\003300-920.ST25.txt

Output Set: N:\CRF3\08062002\J088639.raw

L:1244 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:47
L:1256 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:48
L:1268 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:49
L:1280 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:50